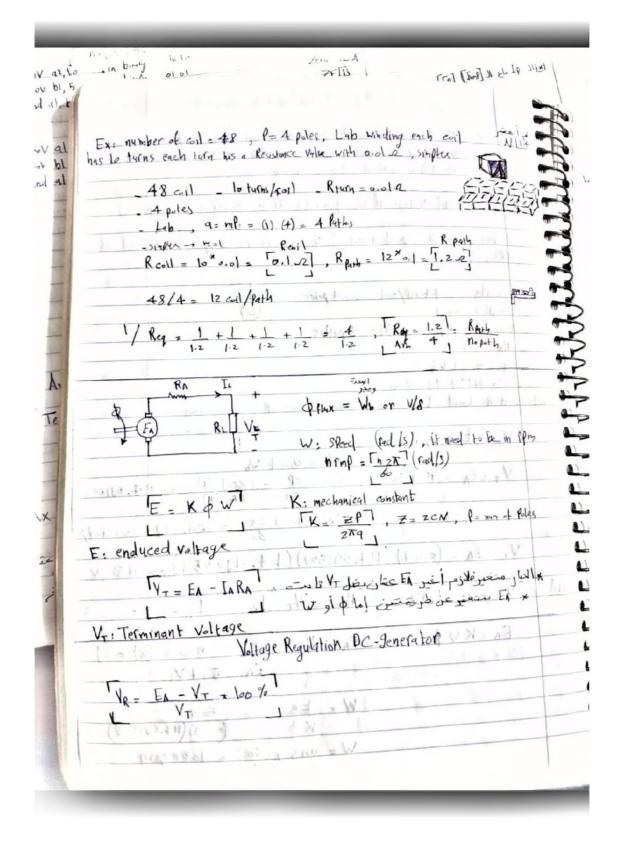
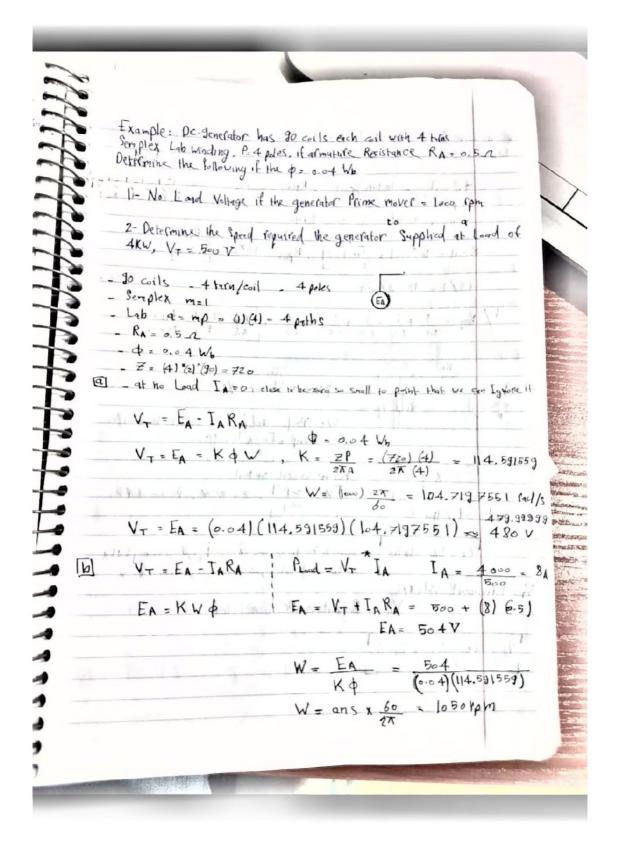


It was a second of the second
Ex: a M web has a total a second
Winding and it has 2 poles
Single Lauer = 12 11
simplex m=1
Lab vinding q = mp = (1)(2) = 2 paths
Since We have z paths 12/2 = 6 coil/path E E E
A E E E E
b) if number of loles = 4, same Lab vinding, stor 2+, single lager, simplex
_12 Goi1
mal war who of the day of F. E. E. F. L. V. C.
- Lab q=mp=(1)(4) = 4 Paths I & & & & & I = 4 I
12/4 = 3 coil / Pat
if Resil = 1 1 . Rout = Rout + Rout + Rout = 3 1 Req Rout Rout Rus Roy - Sund
Dif Sigle Layer Simplex Mave Vinding . with 24 slot , 4 pole Reg = 5000
Single => 12 cil
Simple = S re = V
mane = 5/9 = 21/1 = 2 (1/2 = 2 Paths V=6E
12/2 = 6 cail/Path =]] -2]
and the Original and the first
Ray = 18 Mh
n foth
Armiture Resistance: Rearl = N. Rivin
Rearl = N. Rivin
1 Condition
R turn = 2 Renductor





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, to _ in birdy - really at to men
The state of the Parket of the state of the
A CONTRACT AND THE REAL PROPERTY OF THE PARTY OF THE PART
Example: DC-generator, 4 poles, Apoles, loo A, Deo. 02 Ub
to turn per coil, 120 stats, Single layer, Rturn = oral 1, Semplex to
A. J.
1 - Determine Armeture Resistance
2- number of coils 4- coil/path 3- number of paths
TEN] The state of
28 - Determine the induced Voltage if the generator speed - 1200
The desired and the state of th
3 #- Determine the terminant voltage of the generator Loaded
by R = lon
V In Bull - (16 20) 11 - 162 00 00
4 # - Determine the Speed required for the generator to supply
a Load of 20 KW and VT = 500 V
5 \$ - if the flux Indused by 50% determine the speed
required for the generator to devolop EA = 5151
II. Rturn = o. d. 1 - single layor
R coil = (0.01) x lo = 0.12
Only 611 15 - 1.50
N Part = Dill A
RA = 1.5 = 0.375 2 Red 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5
RA=0375 a Ry-15 to turn per cost
60 = 15 coll / path
Z VT = E - IARA , E = KOW
$\boxed{2} V_T = E - I_A R_A , E = R \Phi M$
T 07 1 120 27 - (4) (2xlox 60) x (0.02) x 126021
1 = 1 = 0 1200 E
274 60 27 (4)
W.A. E = 480 V
AX TE
A State State

